1 CLAIMS:

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- 2 1. A fire retarding device for covering a hot casing, 3 comprising:
- a flexible member adapted for superposition on the hot 4 5 casing, said member adapted to cover at least a 6 portion of the hot casing, said member comprising 7 intermingled filaments porous forming a 8 arresting fibrous network; said fibrous 9 0 10 0 11 0 12 having a volume being more porous than dense, and wherein said filaments are arranged to define voids of a maximum size throughout said fibrous network, and wherein said maximum void size is chosen to 13 limit flame propagation of an ignited fluid through <u></u> 14 said member. N
- The fire retarding device as defined in claim 1, wherein the fire retarding device is removable from said hot casing.
 - The fire retarding device as defined in claim 1, wherein said filaments are irregularly intertwined to form said fibrous network.
 - 21 4. The fire retarding device as defined in claim 1, wherein 22 said member is entirely comprised of said flame 23 arresting fibrous network.
 - 5. The fire retarding device as defined in claim 1, further comprising a plurality of insulative thermal blankets

- disposed adjacent one another around said hot casing, and wherein a said flexible member is disposed between adjacent sections of said insulative thermal blankets.
- 4 6. The fire retarding device as defined in claim 1, further comprising an insulative thermal blanket disposed around said hot casing, and wherein a said flexible member is disposed around said insulative thermal blanket.
- The fire retarding device as defined in claim 1, wherein said member is disposed immediately adjacent said hot casing.
- 11 8. The fire retarding device as defined in claim 1, wherein 12 said hot casing is an aircraft engine casing.

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- The fire retarding device as defined in claim 1, wherein said filaments are metal.
 - 15 10. A fire retarding device for covering a hot casing, comprising:
 - 17 a blanket said member adapted to cover at least a 18 portion of the hot casing, said blanket comprising a 19 plurality of filaments arranged to form a flame 20 arresting matrix, said filaments intersecting in 21 said matrix to form a plurality of voids in said 22 matrix, said voids being smaller than a maximum size 23 throughout said mesh matrix, said maximum 24 predetermined being to limit flame propagation of an 25 ignited fluid across said voids.

- The fire retarding device as defined in claim 10, 1 11.
- wherein said blanket is disposed immediately adjacent 2
- said hot casing. 3
- A fire retarding device for covering a hot casing, 4 12.
- 5 comprising:

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- a member adapted to cover at least a portion of the hot 6
- casing, said member comprising a porous 7
- arresting matrix having a plurality of substantially 8
- interconnected voids defined therein, said voids
- [] 10 [] 11 having a maximum size, said maximum size being
 - predetermined to limit flame propagation of
-) (1) (1) (1) ignited fluid across said voids.
- [©] 13 13. The fire retarding device as defined in claim 12,
- **№** 14 wherein said member is disposed immediately adjacent on
- M. Jek 15 the hot casing.
- 16 fire retarding device as defined in claim 12,
 - one insulative 17 further comprising at least
 - blanket. 18
 - The fire retarding device as defined in claim 12, 19 15.
 - 20 wherein the hot casing is an aircraft jet engine casing
 - and wherein said flammable fluid is jet fuel. 21
 - fire retarding device as defined in claim 12, 22 16. The
 - 23 wherein said flame arresting matrix has a percent-
 - 24 density of between 10% and 30%.

1	17.	The fire retarding device as defined in claim 12,
2		wherein said voids do not exceed a maximum size in at
3		least a direction extending substantially outwardly from
4		said hot casing.

- 5 18. The fire retarding device as defined in claim 12, 6 wherein said member is removable from said hot casing.
- 7 19. The fire retarding device as defined in claim 12, wherein said member is composed of a metal.

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